

Fig. 1  
(PRIOR ART)

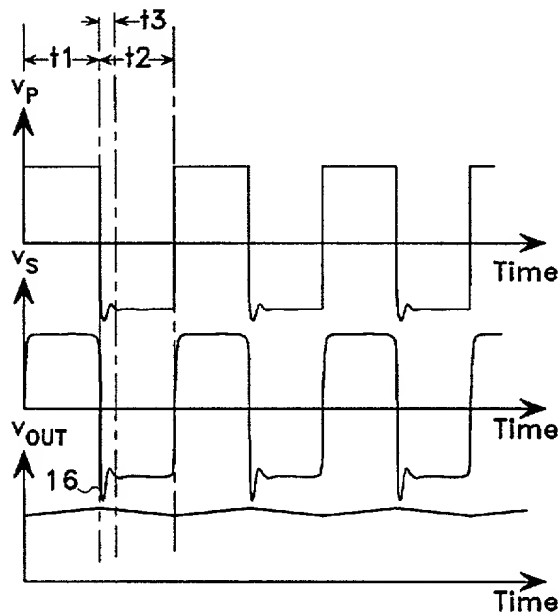


Fig. 2  
(PRIOR ART)

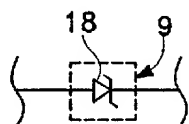


Fig. 3  
(PRIOR ART)

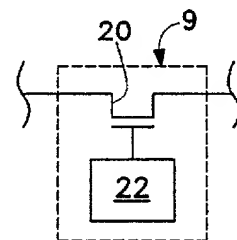
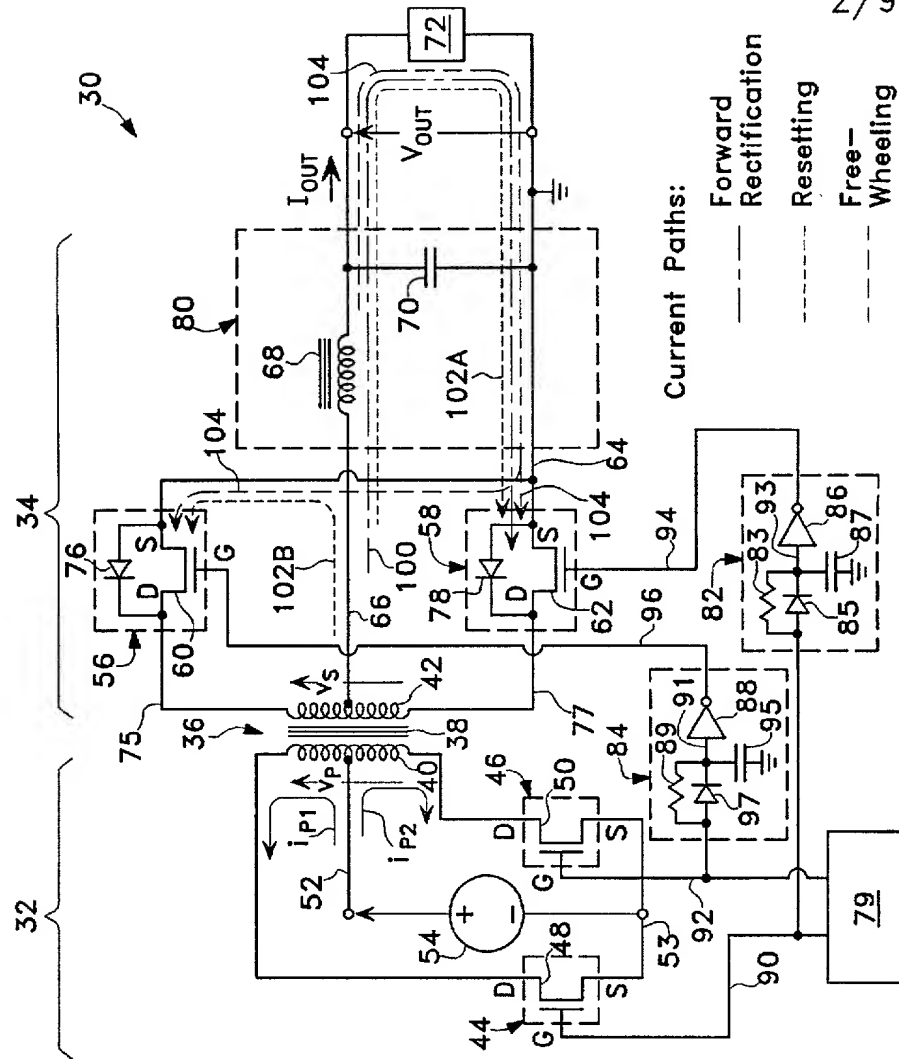


Fig. 4  
(PRIOR ART)



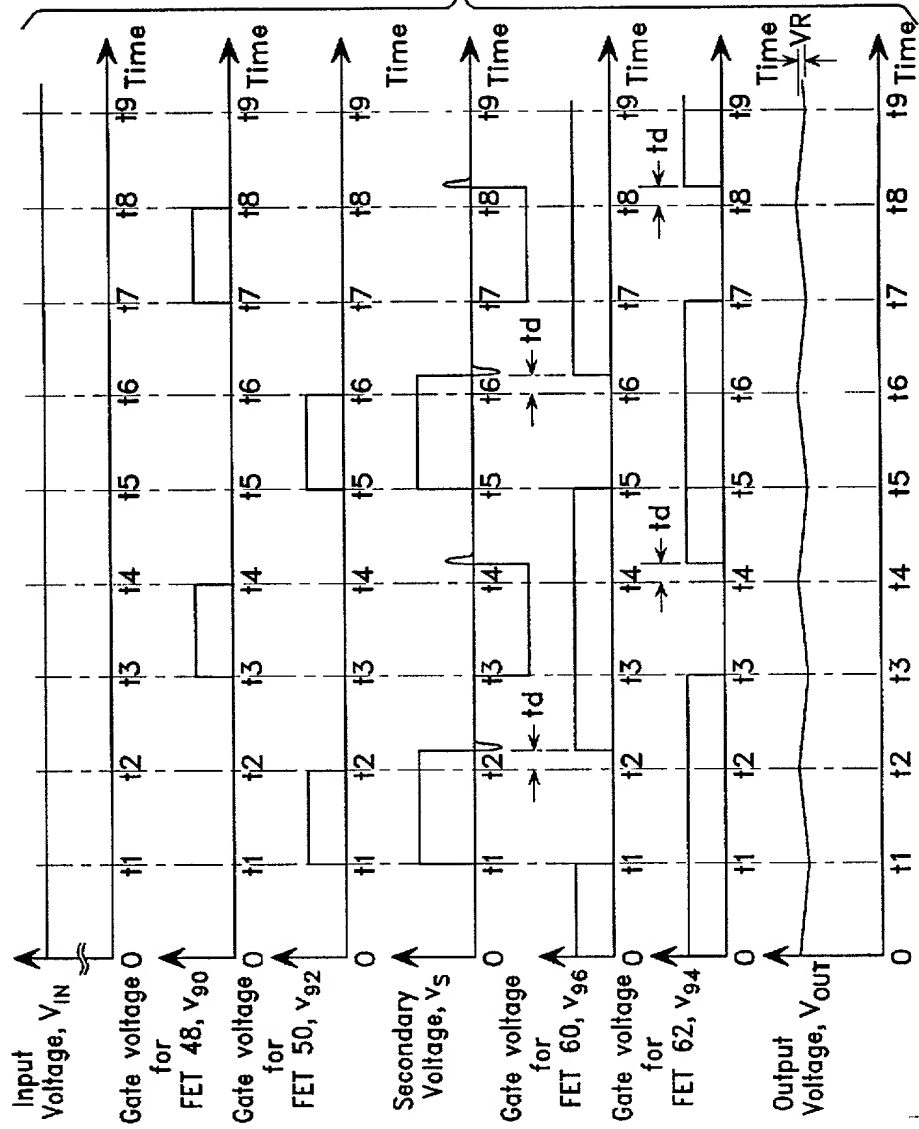


Fig. 6

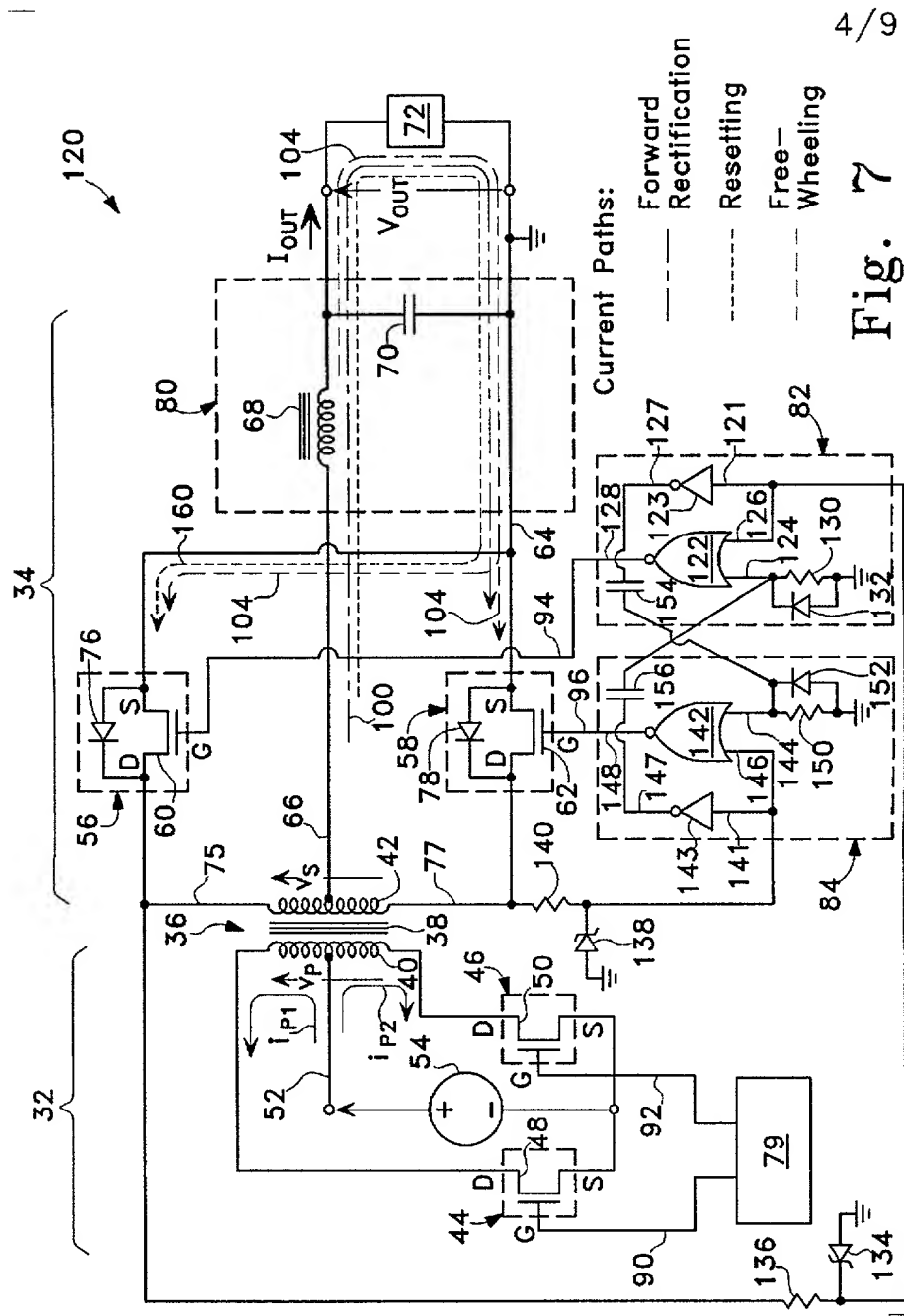


Fig. 7

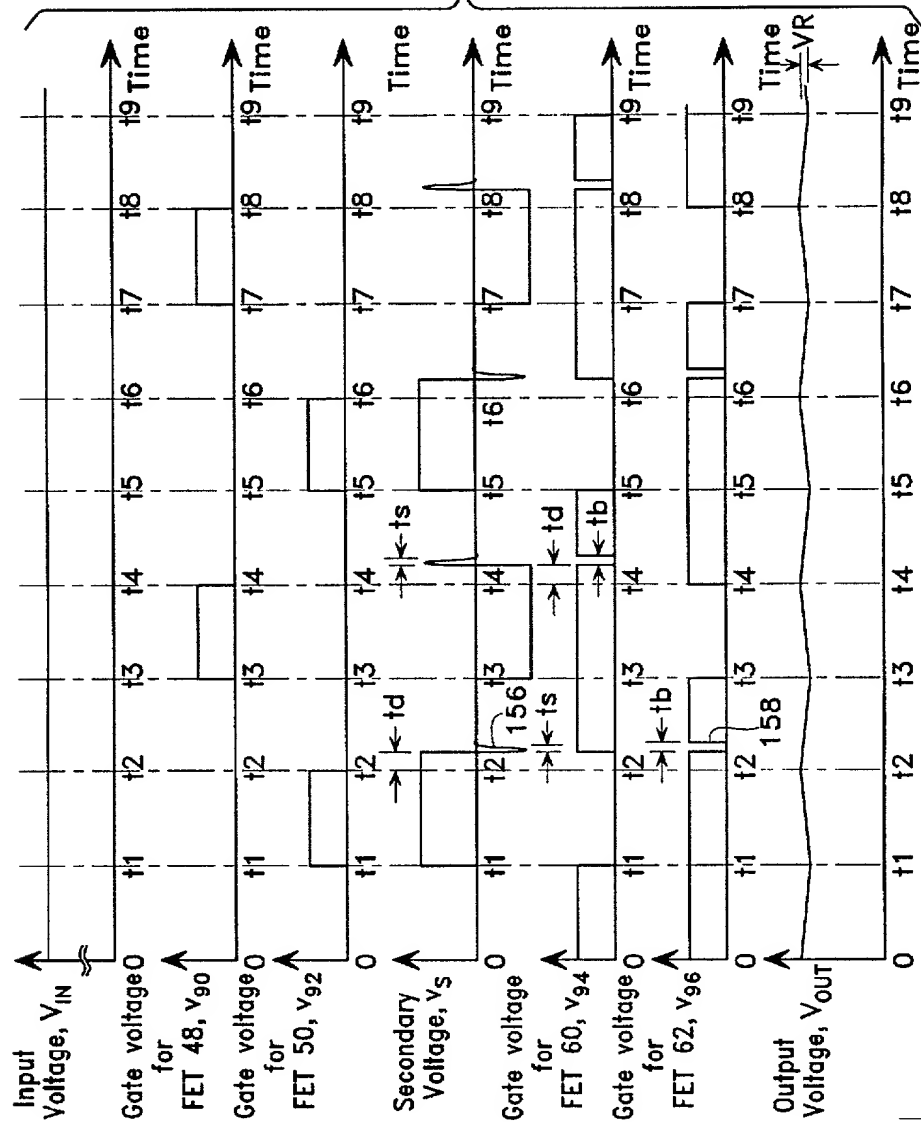


Fig. 8

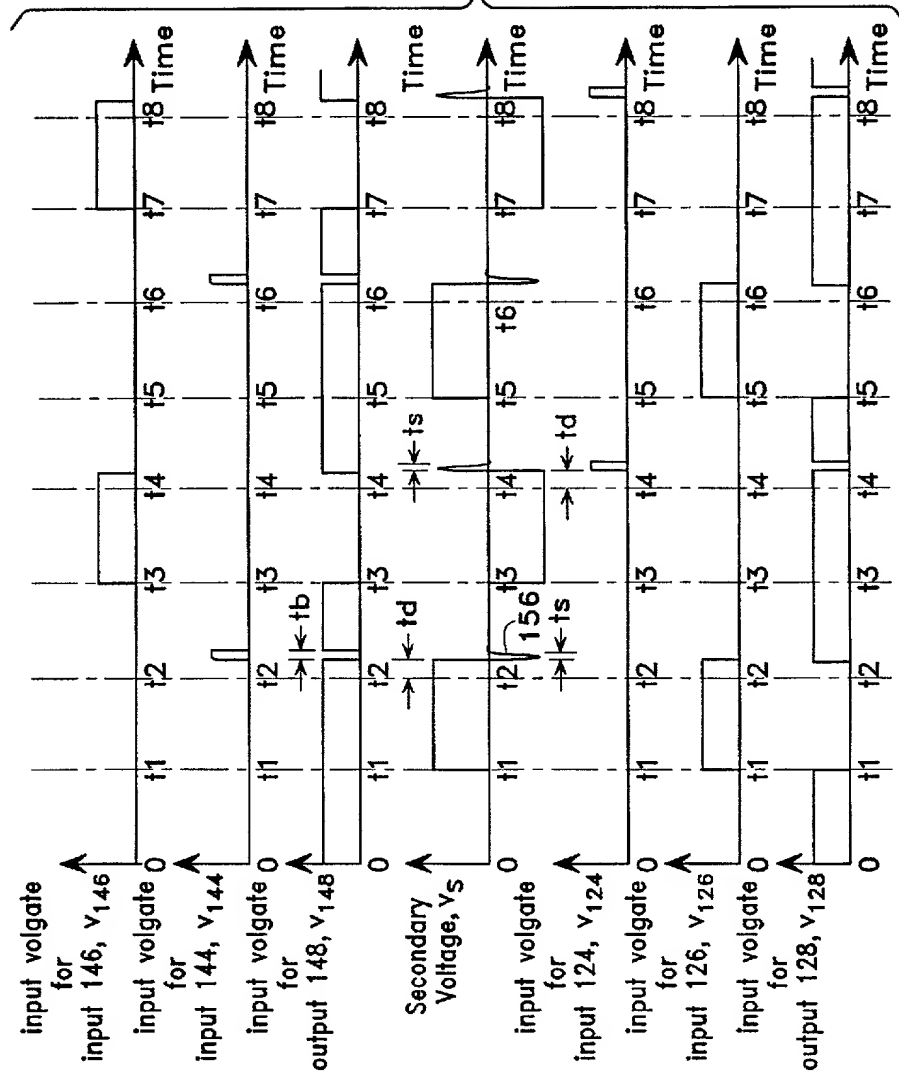


Fig. 9

	time period, t	V <sub>90</sub>	V <sub>92</sub>	V <sub>124</sub>	V <sub>126</sub>	V <sub>128</sub> /V <sub>94</sub>	V <sub>144</sub>	V <sub>146</sub>	V <sub>148</sub> /V <sub>96</sub>
Initial	0 to t <sub>1</sub>	L	L	L	L	H	L	L	H
Forward Rectification	t <sub>1</sub> to (t <sub>2</sub> +t <sub>d</sub> )	L	H	H	H	L	L	L	H
Resetting	(t <sub>2</sub> +t <sub>d</sub> ) to (t <sub>2</sub> +t <sub>d</sub> +t <sub>s</sub> )	L	L	L	L	H	H	H	L
Free-Wheeling	(t <sub>2</sub> +t <sub>d</sub> +t <sub>s</sub> ) to t <sub>3</sub>	L	L	H	L	H	H	L	H
Forward Rectification	t <sub>3</sub> to (t <sub>4</sub> +t <sub>d</sub> )	H	L	L	L	H	H	H	L
Resetting	(t <sub>4</sub> +t <sub>d</sub> ) to (t <sub>4</sub> +t <sub>d</sub> +t <sub>s</sub> )	H	H	H	H	L	L	L	H
Free-Wheeling	(t <sub>4</sub> +t <sub>d</sub> +t <sub>s</sub> ) to t <sub>5</sub>	L	L	H	L	H	H	L	H

Fig. 10

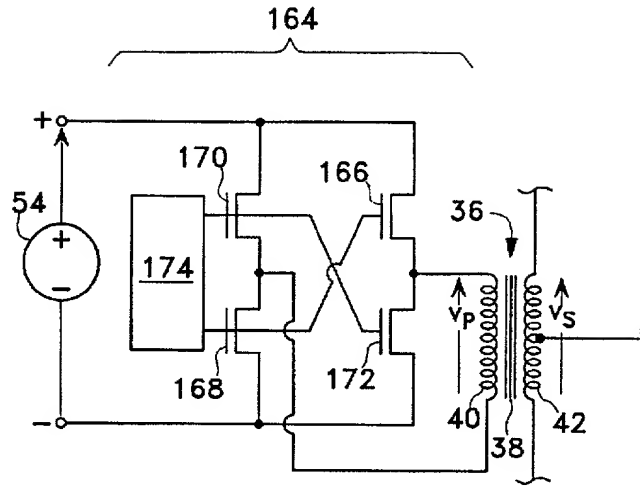


Fig. 11

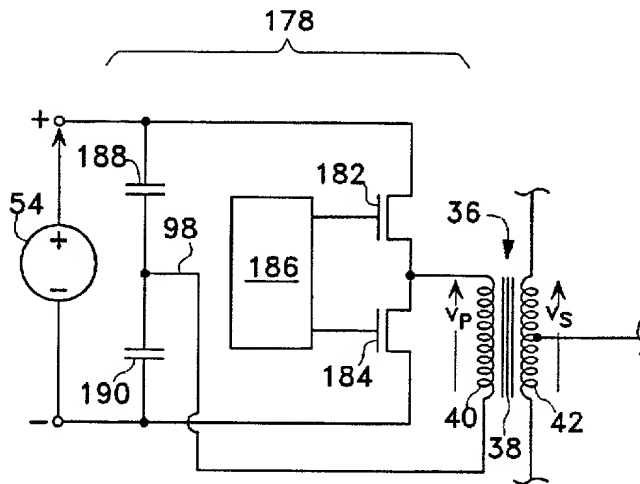


Fig. 12



